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POWER OF ATTORNEY

(for several international applications filed under the Patent Cooperation Treaty)

(PCT Rule 90.5)

The undersigned person(s)

(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

FREIDHOFF, Carl, B.
3 Dickinson Court
New Freedom, PA 17349
United States of America

hereby appoints (appoint) the following person as: ☒ agent
☐ common representative

Name and address

(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

ROTHWELL, G. Franklin, Reg. No. 18,125
FIGG, E. Anthony, Reg. No. 27,195
ERNST, Barbara G., Reg. No. 30,377
MANBECK, Harry F., Jr., Reg. No. 17,348
REPPER, George R., Reg. No. 31,414
DELUCA, Vincent M., Reg. No. 32,408
HYNDS, Joseph A., Reg. No. 34,627
BOWDITCH, Mark I., Reg. No. 40,315
KERR, Don M., Reg. No. 22,720
IHEN, Jeffrey L., Reg. No. 28,957
KART, Glenn E., Reg. No. 30,649
WYDEVEN, Richard, Reg. No. 39,881
ZOLTICK, Martin, M., Reg. No. 35,745
BHATT, Minaksi, Reg. No. 35,447

SULLIVAN, Michael, G., Reg. No. 35,377
DAVIS, Monica, S., Reg. No. 44,492
MURRAY, Robert B., Reg. No. 22,980
CASSIDY, Martha, Reg. No. 44,066
MCKIERNAN, Thomas E., Reg. No. 37,889
MORAN, Michael J., Reg. No. 42,013
GIFFORD, C. Nichole, Reg. No. 44,122
ROSENBLOOM, Brian, S., 41,276
SKACEL, Patrick, Reg. No. 47,948
DEWEERD, Willem F., Reg. No. 51,613
PARKER, Stephen B., Reg. No. 36,631
PATE, Tara J., Reg. No. 52,099
KITTS, Monica Chin, Reg. No. 36,105

all of ROTHWELL, FIGG, ERNST & MANBECK, P.C., 1425 K Street, N.W., Suite 800, Washington, D.C. 20005, United States of America

to represent the undersigned before ☒ all the competent International Authorities
☐ the International Searching Authority only
☐ the International Preliminary Examining Authority only

in connection with any and all international applications filed by the undersigned with the United States Patent and Trademark Office as receiving Office and to make or receive payments on behalf of the undersigned.

Signature(s) (where there are several applicants, each of them must sign; next to each signature, indicate the name of the person signing and the capacity in which the person signs, if such capacity is not obvious from reading the request or this power):

FREIDHOFF, Carl, B.

By: Carl B. Freidhoff

Date: 21 March 2003

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NORTHROP GRUMMAN CORPORATION
1840 Century Park East
Los Angeles, California 90067
United States of America

hereby appoints (appoint) the following person as: ☒ agent
☐ common representative

Name and address

(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

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NORTHROP GRUMMAN CORPORATION

By: Kathleen SalmasDate: 3/13/03Name: Kathleen SalmasTitle: Asst. Corporate Secretary